

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
51.366 – Data Analysis and Reporting Requirements

(b) Quality Assurance Report

(1) The number of inspection stations and lanes:

(i) Operating throughout the year

During 2014 there were five stations with eighteen lanes operating in Lake County, and two stations with six lanes operating in Porter County.

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
51.366 – Data Analysis and Reporting Requirements

(b) Quality Assurance Report

(2) The number of inspection stations and lanes operating throughout the year:

(i) Receiving overt performance audits in the year 2014;

All test sites received regular overt performance audits during 2014

See the attached report:

Performance Evaluations Conducted during 2014

(ii) Not receiving overt performance audits in the year 2014

None.

(III) Receiving covert performance audits in the year 2014

Five stations received covert audits, see the attached report:

Covert Performance Audits, 2014

(iv) Not receiving covert performance audits in the year 2014

The Gary and Portage test stations did not receive a covert audit in 2014.

(v) That have been shut down as a result of overt performance audits

No stations were shut down as a result of overt performance audits.

Performance Evaluations Conducted

2014

Inspector Performance Evaluations conducted by Station Management during 2014

	January	February	March	April	May	June	July	August	September	October	November	December
Hammond	0	8	15	10	10	10	10	8	13	13	3	11
Griffith	6	22	26	25	30	15	17	23	22	18	8	0
Hobart	4	7	16	7	15	8	2	2	12	12	16	13
Crown Point	5	6	3	10	3	9	2	15	9	2	3	8
Valpo	17	16	16	16	16	16	16	16	16	20	17	18
Gary	16	17	16	16	20	16	19	16	16	19	16	16
Portage	0	6	10	12	20	17	16	16	16	16	16	10

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of January 2014**

Station	Number	Results
Hammond	2	PP
Griffith	2	PP
Crown Point	2	PP
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	PP
Portage	N/A	N/A

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of January 2014**

Station	Score
Hammond (HQ)	89.0
Hammond (Self)	97.3
Griffith	87.3
Griffith	86.8
Crown Point	66.4
Crown Point	98.0
Hobart	93.4
Hobart	95.0
Valparaiso	N/A
Valparaiso	95.5
Gary	93.4
Gary	88.2
Portage	N/A
Portage	N/A

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of February 2014**

Station	Number	Results
Hammond	2	PP
Griffith	2	PP
Crown Point	2	PP
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of February 2014**

Station	Score
Hammond (HQ)	78.9
Hammond (Self)	96.3
Griffith	87.3
Griffith	89.1
Crown Point	91.2
Crown Point	88.9
Hobart	N/A
Hobart	95.0
Valparaiso	N/A
Valparaiso	94.7
Gary	93.9
Gary	88.0
Portage	91.2
Portage	93.4

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of March 2014**

Station	Number	Results
Hammond	2	FF
Griffith	2	PP
Crown Point	2	PP
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of March 2014**

Station	Score
Hammond (HQ)	78.6
Hammond (Self)	95.7
Griffith	90.5
Griffith	N/A
Crown Point	91.2
Crown Point	88.9
Hobart	92.6
Hobart	95.0
Valparaiso	N/A
Valparaiso	94.8
Gary	95.5
Gary	90.5
Portage	94.8
Portage	89.4

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of April 2014**

Station	Number	Results
Hammond	2	PP
Griffith	N/A	N/A
Crown Point	2	PP
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	N/A	N/A
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of April 2014**

Station	Score
Hammond (HQ)	90.2
Hammond (Self)	86.3
Griffith	90.9
Griffith	87.0
Crown Point	89.7
Crown Point	88.9
Hobart	N/A
Hobart	92.6
Valparaiso	N/A
Valparaiso	91.6
Gary	94.8
Gary	90.0
Portage	90.3
Portage	90.6

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of May 2014**

Station	Number	Results
Hammond	N/A	N/A
Griffith	2	PP
Crown Point	2	PP
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	PF
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of May 2014**

Station	Score
Hammond (HQ)	N/A
Hammond (Self)	N/A
Griffith	90.9
Griffith	85.7
Crown Point	92.6
Crown Point	96.2
Hobart	92.6
Hobart	99.3
Valparaiso	N/A
Valparaiso	95.4
Gary	93.8
Gary	99.4
Portage	95.5
Portage	94.8

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of June 2014**

Station	Number	Results
Hammond	N/A	N/A
Griffith	2	PP
Crown Point	2	PP
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of June 2014**

Station	Score
Hammond (HQ)	N/A
Hammond (Self)	89.5
Griffith	90.5
Griffith	93.3
Crown Point	94.1
Crown Point	96.2
Hobart	N/A
Hobart	N/A
Valparaiso	N/A
Valparaiso	94.8
Gary	94.8
Gary	100.0
Portage	93.3
Portage	94.2

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of July 2014**

Station	Number	Results
Hammond	N/A	N/A
Griffith	2	PP
Crown Point	N/A	N/A
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	2	PP
Portage	N/A	N/A

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of July 2014**

Station	Score
Hammond (HQ)	N/A
Hammond (Self)	89.6
Griffith	91.4
Griffith	91.9
Crown Point	91.2
Crown Point	96.2
Hobart	N/A
Hobart	96.4
Valparaiso	N/A
Valparaiso	93.2
Gary	94.8
Gary	N/A
Portage	N/A
Portage	92.9

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of August 2014**

Station	Number	Results
Hammond	2	PP
Griffith	2	PP
Crown Point	N/A	N/A
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	FP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of August 2014**

Station	Score
Hammond (HQ)	83.6
Hammond (Self)	87.2
Griffith	93.3
Griffith	86.2
Crown Point	N/A
Crown Point	96.2
Hobart	92.6
Hobart	N/A
Valparaiso	N/A
Valparaiso	93.2
Gary	92.6
Gary	98.0
Portage	94.6
Portage	94.3

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of September 2014**

Station	Number	Results
Hammond	N/A	N/A
Griffith	2	PP
Crown Point	N/A	N/A
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	N/N	N/A
Portage	N/A	N/A

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of September 2014**

Station	Score
Hammond (HQ)	N/A
Hammond (Self)	98.4
Griffith	93.4
Griffith	86.9
Crown Point	N/A
Crown Point	96.2
Hobart	N/A
Hobart	95.4
Valparaiso	N/A
Valparaiso	98.5
Gary	N/A
Gary	N/A
Portage	N/A
Portage	91.7

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of October 2014**

Station	Number	Results
Hammond	2	PP
Griffith	2	PP
Crown Point	2	PP
Hobart	N/A	N/A
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of October 2014**

Station	Score
Hammond (HQ)	91.9
Hammond (Self)	97.0
Griffith	92.6
Griffith	84.7
Crown Point	93.5
Crown Point	96.2
Hobart	N/A
Hobart	91.5
Valparaiso	N/A
Valparaiso	95.1
Gary	97.8
Gary	N/A
Portage	93.3
Portage	90.7

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of November 2014**

Station	Number	Results
Hammond	2	PP
Griffith	2	PP
Crown Point	N/A	N/A
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of November 2014**

Station	Score
Hammond (HQ)	90.1
Hammond (Self)	91.6
Griffith	93.4
Griffith	90.3
Crown Point	N/A
Crown Point	98.7
Hobart	96.3
Hobart	93.8
Valparaiso	N/A
Valparaiso	94.6
Gary	94.2
Gary	98.0
Portage	91.2
Portage	88.6

**Inspector Evaluations Completed by Quality Assurance Manager/Program Manager
During the month of December 2014**

Station	Number	Results
Hammond	2	FF
Griffith	2	PF
Crown Point	2	PP
Hobart	2	PP
Valparaiso	N/A	N/A
Gary	2	PP
Portage	2	PP

**Station Evaluations Completed by Quality Assurance Manager/Program Manager:
During the month of December 2014**

Station	Score
Hammond (HQ)	83.9
Hammond (Self)	96.3
Griffith	91.1
Griffith	N/A
Crown Point	93.4
Crown Point	99.8
Hobart	93.9
Hobart	90.3
Valparaiso	N/A
Valparaiso	94.5
Gary	95.9
Gary	97.4
Portage	92.7
Portage	90.0

Covert Performance Audits

2014

Covert Performance Audits

2014

Date	Time	Station	Cert #
2/6/2014	13:12	Griffith	4481539
4/8/2015	13:06	Griffith	4489981
4/23/2014	16:09	Griffith	4494643
5/10/2014	11:24	Crown Point	4546042
5/9/2014	12:24	Griffith	4499317
5/13/2015	14:19	Griffith	4500755
5/15/2014	12:06	Crown Point	4546356
6/4/2014	10:48	Griffith	4503151
9/25/2014	10:03	Crown Point	4696822
10/18/2014	9:37	Valparaiso	4753384
11/15/2014	15:58	Hobart	4740903
12/6/2014	12:00	Hammond	4822433

2014 Indiana response to:

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51.366 – Data Analysis and Reporting Requirements

(b) Quality Assurance Report

(3) The number of covert audits:

(i) Conducted with the vehicle set to fail per test type;

During 2014 one vehicle was set to fail the OBDII inspection.

(ii) Conducted with the vehicle set to fail any combination of two or more test types;

During 2014 no vehicles were set to fail any combination of two or more test types.

(III) Resulting in a false pass per test type;

During 2014 no covert audits were conducted to result in a false pass.

(iv) Resulting in a false pass for any combination of two or more test types;

During 2014 no covert audits were conducted to result in a false pass for any combination of two or more test types.

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(b) Quality Assurance Report

(4) The number of inspectors and stations:

(i) That were suspended, fired, or otherwise prohibited from testing as a result of covert audits;

During 2014 no inspectors were suspended, fired or otherwise prohibited from testing as a result of covert audits.

(ii) That were suspended, fired, or otherwise prohibited from testing for other causes;

During 2014 five inspectors were suspended or fired for other reasons.

(III) That received fines;

During 2014 no inspectors received fines.

(5) The number of inspectors licensed or certified to conduct testing:

In 2013, thirty-seven (37) inspectors were certified to conduct testing.

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
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(b) Quality Assurance Report

(6) The number of hearings:

(i) Held to consider adverse actions against inspectors and stations;

During 2014 no hearings were held to consider adverse actions against inspectors or stations.

(ii) Resulting in adverse actions against inspectors and stations;

During 2014 no hearings were held that resulted in adverse actions against inspectors or stations

(7) The total amount collected in fines from inspectors and stations by type of violation:

In 2014, no fines were collected from inspectors or stations.

(8) The total number of covert vehicles available for undercover audits over the year:

In 2014 there were 12 vehicles available for covert audits.

(9) The number of covert auditors available for undercover audits:

In 2014 there were 12 covert auditors available for undercover audits.

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
51.366 – Data Analysis and Reporting Requirements

(c) Quality Control Report

(1) The number of emission testing sites and lanes in use in the program:

During the period of January 1, 2014 and December 31, 2014 there were seven test sites and twenty-four operational testing lanes.

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
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(c) Quality Control Report

(2) The number of equipment audits by station and lane:

From 1998 to 2003 none of the exhaust gas sampling systems at any of the test sites failed a semi-annual gas challenge audit. In 2004 the Indiana Department of Environmental Management (IDEM) began performing periodic reviews of monthly calibration and maintenance data for all of the exhaust gas analyzers and dynamometers in the testing lanes in lieu of gas challenge audits.

Operations at the test sites are also monitored remotely by a system of web cams installed at each testing facility. The cameras provide views of the all the testing lanes from the front, looking toward the back and from the back, looking toward the front. Cams are also located in the manager's office, the license renewal booth, the safe and VIR locked storage room, and on the front of each site looking out at the vehicle queue area. IDEM I/M personal view all of the test sites on a daily basis. Each morning mini-calibrations are conducted on each lane and zero/spans are run at least every two hours while the test sites are open. IDEM I/M program personal check the mini-cals and zero/spans daily from their Indianapolis location.

See the attached check sheets: 2014 Indiana I/M program quarterly test equipment calibration data audits.

2014

**INDIANA I/M PROGRAM
QUARTERLY TEST EQUIPMENT
CALIBRATION DATA AUDITS**

Calibration Records Audit (1 Quarter, 20 14)

Date: 6/6/14

Vehicle Emission Test Site: Hammond, Station #1

PA

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: # 1

CVS Calc.		BAR-40 Calc.		4WD Dyno Calc.	
1-27-14	JKA OK	1-27-14	JKA OK	1-31-14	VXMR OK
2-17-14	JKA OK	2-17-14	JKA OK	2-28-14	Chad OK
3-17-14	JL OK	3-17-14	JL OK	3-31-14	Chad OK

Lane: # 2

CVS Calc.		BAR-40 Calc.		2WD Dyno Calc.	
1-27-14	JKA OK	1-27-14	JKA OK	1-31-14	Chad OK
2-17-14	JKA OK	2-17-14	JL OK	2-28-14	Chad OK
3-17-14	JL OK	3-17-14	JL OK	3-19-14	Chad OK

Lane: # 3

CVS Calc.		BAR-40 Calc.		2WD Dyno Calc.	
1-20-14	JKA OK	1-27-14	JKA OK	1-29-14	Chad OK
2-17-14	JKA OK	2-17-14	JL OK	2-28-14	Chad OK
3-17-14	JL OK	3-17-14	JL OK	3-19-14	Chad OK

#0 Observed by PA

Lane: # _____

Calibration Records Audit (2nd Quarter, 2014)

Date: 7-25-14

Vehicle Emission Test Site: Hammond, Station #1

GRD

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cal.	BAR 90 Cal.	4WD Dyno Cal.
4-24-14 JC OK	4-30-14 JC OK	4-28-14 Chad OK
5-12-14 JC OK	5-18-14 JC OK	5-19-14 Chad OK
6-2-14 JKC OK	6-2-14 JKC OK	6-23-14 Chad OK

Lane: #2

CVS Cal.	BAR 90 Cal.	2WD Dyno Cal.
4-24-14 JC OK	4-30-14 JC OK	4-24-14 Chad OK
5-12-14 JC OK	5-12-14 JC OK	5-30-14 Chad OK
6-2-14 JKC OK	6-2-14 JKC OK	6-26-14 Chad OK

Lane: #3 (also a tandem OBDII lane)

CVS Cal.	BAR 90 Cal.	2WD Dyno Cal.
4-24-14 JC OK	4-30-14 JC OK	4-24-14 Chad OK
5-12-14 JC OK	5-12-14 JC OK	5-29-14 Chad OK
6-2-14 JKC OK	6-2-14 JKC OK	6-26-14 Chad OK

Lane: #

Calibration Records Audit (3rd Quarter, 2014)

Date: 9-26-14

Vehicle Emission Test Site: Hammond, station #1

PAD

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR-40 Cals.	4WD Dyno Cals.
7-21-14 JC OK	7-21-14 JC OK	7-23-14 Chad OK
8-4-14 JKC OK	8-4-14 JKC OK	8-25-14 Chad OK
9-15-14 JKC OK	9-15-14 JKC OK	9-29-14 Chad OK

PAD

Lane: #2

CVS Cals.	BAR-40 Cals.	2WD Dyno Cals.
7-21-14 JC OK	7-21-14 JC OK	7-23-14 Chad OK
8-4-14 JKC OK	8-4-14 JKC OK	8-25-14 Chad OK
9-15-14 JKC OK	9-15-14 JKC OK	9-29-14 Chad OK

PAD

Lane: #3

CVS Cals.	BAR-40 Cals.	2WD Dyno Cals.
7-21-14 JC OK	7-21-14 JC OK	7-24-14 Chad OK
8-4-14 JKC OK	8-4-14 JKC OK	8-25-14 Chad OK
9-15-14 JKC OK	9-15-14 JKC OK	9-25-14 Chad OK

Lane: #

#1 Annual	SAD-CFV Cal	7-21-14	JC	OK
#2 Annual	SAD-CFV Cal	7-21-14	JC	OK
#3 Annual	SAD-CFV Cal	7-21-14	JC	OK

Calibration Records Audit (4th Quarter, 2014)

Date: 1-22-15

Vehicle Emission Test Site: Hammond, Station #1

JAL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals	BAR 90 Cals	4WD Dyno Cals
10-20-14 JKC OK	10-20-14 JKC OK	10-27-2014 Chad OK
11-4-14 JKC OK	11-4-14 JKC OK	11-24-2014 Chad OK
12-8-14 JKC OK	12-8-14 JKC OK	12-22-14 Chad OK

Lane: #2

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-20-14 JKC OK	10-20-14 JKC OK	10-30-14 Chad OK
11-4-14 JKC OK	11-4-14 JKC OK	11-24-14 Chad OK
12-8-14 JKC OK	12-8-14 JKC OK	12-22-14 Chad OK

Lane: #3

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-20-14 JKC OK	10-29-14 JKC OK	10-30-14 Chad OK
11-4-14 JKC OK	11-4-14 JKC OK	11-24-14 Chad OK
12-8-14 JKC OK	12-8-14 JKC OK	12-22-14 Chad OK

Lane: #

Calibration Records Audit (1st Quarter, 2014)

Date: 3-28-14

Vehicle Emission Test Site: Griffith Station #2

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cal's,	BAR-90 Cal's,	4WD Dyno Cal's
1-28-14 JC OK	1-24-14 JC OK	1-27-14 Chad OK
2-10-14 JC OK	2-10-14 JC OK	2-17-14 Chad OK
3-3-14 JC OK	3-3-14 JC OK	3-24-14 Chad OK

Lane: #2

CVS Cal's,	BAR-90 Cal's,	2WD Dyno Cal's
1-28-14 JC OK	1-24-14 JC OK	1-23-14 Chad OK
2-10-14 JC OK	2-10-14 JC OK	2-7-14 Chad OK
3-3-14 JC OK	3-3-14 JC OK	3-13-14 Chad OK

Lane: #3

DBD II tandem lane

Lane: #4

CVS Cal's,	BAR-90 Cal's,	2WD Dyno Cal's,
1-28-14 JC OK	1-24-14 JC OK	1-23-14 Chad OK
2-10-14 JC OK	2-10-14 JC OK	2-13-14 Chad OK
3-21-14 JC OK	3-21-14 JC OK	3-13-14 Chad OK

Calibration Records Audit (2nd Quarter, 2014)

Date: 7-25-14

Vehicle Emission Test Site: Griffith, Station #2

FAB

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR 90 Cals.	4WD Dyno Cals.
4-14-14 JC OK	4-14-14 JC OK	4-21-14 Chad OK
5-6-14 JC OK	5-6-14 JC OK	5-6-14 Chad OK
6-9-14 JC OK	6-9-14 JC OK	6-16-14 Chad OK

Lane: #2

CVS Cals.	BAR 90 Cals.	2WD Dyno Cals.
4-14-14 JC OK	4-14-14 JC OK	4-11-14 Chad OK
5-6-14 JC OK	5-6-14 JC OK	5-23-14 Chad OK
6-9-14 JC OK	6-9-14 JC OK	6-30-14 Chad OK

Lane: #3

POD II only - tandem lane

Lane: #4

CVS Cals.	BAR 90 Cals.	2WD Dyno Cals.
4-14-14 JC OK	4-14-14 JC OK	4-10-14 Chad OK
5-6-14 JC OK	5-6-14 JC OK	5-22-14 Chad OK
6-9-14 JC OK	6-9-14 JC OK	6-27-14 Chad OK

Calibration Records Audit (3rd Quarter, 2014)

Date: 9-26-14

Vehicle Emission Test Site: Griffith, Station #2

PAN

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cals.	BAR-90 Cals.	4WD Dyno Cals.
7-14-14 JIC OK	7-28-14 JC OK	7-21-14 Chad OK
8-11-14 JC OK	8-11-14 JC OK	8-25-14 Chad OK
9-8-14 JC OK	9-8-14 JC OK	9-22-14 Chad OK

Lane: #2

CVS Cals.	BAR-90 Cals.	2WD Dyno Cals.
7-14-14 JIC OK	7-28-14 JC OK	7-17-14 Chad OK
8-25-14 JC OK	8-25-14 JC OK	8-20-14 Chad OK
9-8-14 JC OK	9-8-14 JC OK	9-10-14 Chad OK

Lane: #3

OBD II only lane

Lane: #4

CVS Cals.	BAR-90 Cals.	2WD Dyno Cals.
7-14-14 JIC OK	7-28-14 JC OK	7-11-14 Chad OK
8-25-14 JC OK	8-25-14 JC OK	8-20-14 Chad OK
9-8-14 JC OK	9-8-14 JC OK	9-10-14 Chad OK

Lane #1 Annual SAO-CFV Cal JC 9-22-14 OK

Lane #2 Annual SAO-CFV Cal JC 9-22-14 OK

Lane #4 Annual SAO-CFV Cal JC 9-22-14 OK

Calibration Records Audit (4th Quarter, 2014)

Date: 1-23-15

Vehicle Emission Test Site: Griffith, Station #2

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals	BAR 90 Cals	4WD Dyno Cals
10-6-14 JC OK	10-6-14 JC OK	10-27-14 Chad OK
11-4-14 JC OK	11-4-14 JC OK	11-17-14 Chad OK
12-1-14 JC OK	12-1-14 JC OK	12-15-14 Chad OK

Lane: #2

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-6-14 JC OK	10-6-14 JC OK	10-24-14 Chad OK
11-4-14 JC OK	11-4-14 JC OK	11-14-14 Chad OK
12-22-14 JC OK	12-22-14 JC OK	12-17-14 Chad OK

Lane: #3

CVS only lane

Lane: #4

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-6-14 JC OK	10-6-14 JC OK	10-24-14 Chad OK
11-4-14 JC OK	11-4-14 JC OK	11-14-14 Chad OK
12-23-14 JC OK	12-23-14 JC OK	12-17-14 Chad OK

Calibration Records Audit (1st Quarter, 2014)

Date: 3-28-14

Vehicle Emission Test Site: Howard - Station #3

BSA

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cal.	BAR-90 Cal.	4WD Dyno Cal.
1-27-14 CAM OK	1-27-14 CAM OK	1-16-14 Dyno OK
2-17-14 CAM OK	2-17-14 CAM OK	2-3-14 Dyno OK
3-24-14 CAM OK	3-24-14 CAM OK	3-10-14 Dyno OK

Lane: #2

DBD Only lane

Lane: #3

CVS Cal.	BAR-90 Cal.	2WD Dyno Cal.
1-28-14 CAM OK	1-28-14 CAM OK	1-10-14 Dyno OK
2-17-14 CAM OK	2-17-14 CAM OK	2-13-14 Dyno OK
3-20-14 CAM OK	3-20-14 CAM OK	3-5-14 Dyno OK

Lane: #

Calibration Records Audit (2nd Quarter, 2014)

Date: 7-24-14

Vehicle Emission Test Site: Hobart, Station #3

GAX

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CMS Cals.	BARAD Cals.	4WD Dyno Cals.
4-21-14 CAM OK	4-21-14 CAM OK	4-7-14 Chad OK
5-19-14 CAM OK	5-19-14 CAM OK	5-5-14 Chad OK
6-30-14 CAM OK	6-30-14 CAM OK	6-2-14 Chad OK

Lane: #2

ODD II Only lane

Lane: #3

CMS Cals.	BARAD Cals.	2WD Dyno Cals.
4-25-14 CAM OK	4-25-14 CAM OK	*4-23-14 Chad OK
5-19-14 CAM OK	5-19-14 CAM OK	**5-7-14 Chad OK
6-30-14 CAM OK	6-30-14 CAM OK	***6-18-14 Chad OK

Lane: #

* water in DynoFit had to vacuumed out - about 15 gallons.
** belt tensioner cleaned + lubed.
*** Gettys box cooler too cold adjusted temp.

Calibration Records Audit (3rd Quarter, 2014)

Date: 9-25-14

Vehicle Emission Test Site: Plant, Station #3

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR-AD Cals.	4WD Dyno Cals.
7-21-14 CAM OK	7-21-14 CAM OK	7-7-14 Chad OK
8-18-14 CAM OK	8-18-14 CAM OK	8-4-14 Chad OK
9-22-14 CAM OK	9-22-14 CAM OK	9-8-14 Chad OK

Lane: #2

DBDI Only lane

Lane: #3

CVS Cals.	BAR-AD Cals.	2WD Dyno Cals.
7-24-14 CAM OK	7-24-14 CAM OK	7-10-14 Chad OK
8-18-14 CAM OK	8-18-14 CAM OK	8-6-14 Chad OK
9-22-14 CAM OK	9-22-14 CAM OK	9-4-14 Chad OK

Lane: #

Calibration Records Audit (4th Quarter, 2014)

Date: 1-23-15

Vehicle Emission Test Site: Hobart, Station #3

RNL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CRS Cals	BAR 90 Cals	4WD Dyno Cals
10-23-14 CAM OK	10-23-14 CAM OK	10-14-14 Chad OK
11-24-14 CAM OK	11-24-14 CAM OK	11-14-14 Chad OK
12-15-14 CAM OK	12-15-14 CAM OK	12-4-14 Chad OK

Lane: #2

DBDII only lane

Lane: #3

CRS Cals	BAR 90 Cals	2WD Dyno Cals
10-27-14 CAM OK	10-27-14 CAM OK	10-20-14 Chad OK
11-24-14 CAM OK	11-12-14 CAM OK	11-3-14 Chad OK
12-15-14 CAM OK	12-15-14 CAM OK	12-1-14 Chad OK

Lane: #

#1 Annual SAD-CFV Cal. 10-23-14 CAM OK
#3 Annual SAD-CFV Cal. 10-27-14 CAM OK

Calibration Records Audit (1st Quarter, 2014)

Date: 3/28/14

Vehicle Emission Test Site: Crown Point - Station #4

PAJ

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cals	BAR-90 Cals	4WD Dyno Cals
1-15-14 JKC OK	1-15-14 JKC OK	1-24-14 Chas OK
2-24-14 JKC OK	2-24-14 JKC OK	2-10-14 Chas OK
3-14-14 JC OK	3-14-14 JC OK	3-17-14 Chas OK

Lane: #2

CVS Cals	BAR-90 Cals	2WD Dyno Cals
1-15-14 JKC OK	1-15-14 JKC OK	1-29-14 Chas OK
2-24-14 JKC OK	2-24-14 JKC OK	2-14-14 Chas OK
3-27-14 JC OK	3-27-14 JC OK	3-20-14 Chas OK

Lane: #3

OBDII tandem lane

Lane: #

Calibration Records Audit (2nd Quarter, 2014)

Date: 7-25-14

Vehicle Emission Test Site: Crown Point, Station #4

VFA

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR 90 Cals.	4WD Dyno Cals.
4-28-14 JC OK	4-28-14 JC OK	4-21-14 Chad OK
5-23-14 JC OK	5-23-14 JC OK	5-12-14 Chad OK
6-23-14 JKC OK	6-23-14 JKC OK	6-9-14 Chad OK

Lane: #2

CVS Cals.	BAR 90 Cals.	8WD Dyno Cals.
4-28-14 JC OK	4-28-14 JC OK	4-11-14 Chad OK
5-29-14 JC OK	5-29-14 JC OK	5-23-14 Chad OK
6-23-14 JKC OK	6-23-14 JKC OK	6-20-14 Chad OK

Lane: #3

OBDII only - Tandem lane

Lane: #

Calibration Records Audit (3rd Quarter, 2014)

Date: 1-23-15

Vehicle Emission Test Site: Crown Point, Station #4

PAL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals		BAR 90 Cals		4WD Dyno Cals
7-28-14	JKC OK	7-28-14	JKC OK	7-14-14 Chad OK
8-25-14	JKC OK	8-27-14	JKC OK	8-11-14 Chad OK
9-29-14	JKC OK	9-29-14	JKC OK	9-15-14 Chad OK

Lane: #2

CVS Cals		BAR 90 Cals		2WD Dyno Cals
7-28-14	JKC OK	7-28-14	JKC OK	7-17-14 Chad OK
8-25-14	JKC OK	8-25-14	JKC OK	8-13-14 Chad OK
9-29-14	JKC OK	9-29-14	JKC OK	9-18-14 Chad OK

Lane: #

DBD II only tandem lane.

Lane: #

Lane #1	Annual	SAD-CFV Cal	8-25-14	JKC OK
Lane #2	Annual	SAD-CFV Cal	8-25-14	JKC OK

Calibration Records Audit (4th Quarter, 2014)

Date: 1-23-15

Vehicle Emission Test Site: Crown Point, Station #4

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals	BAR 90 Cals	4WD Dyno Cals
10-20-14 JC OK	10-20-14 JC OK	10-20-14 Chad OK
11-10-14 JRC OK	11-10-14 JRC OK	11-10-14 Chad OK
12-15-14 JC OK	12-15-14 JC OK	12-15-14 Chad OK

Lane: #2

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-20-14 JC OK	10-20-14 JC OK	10-23-14 Chad OK
11-10-14 JRC OK	11-10-14 JRC OK	11-14-14 Chad OK
12-15-14 JC OK	12-15-14 JC OK	12-18-14 Chad OK

Lane: #3

PBD II only tandem lane

Lane: #

Calibration Records Audit (1st Quarter, 2014)

Date: 3-27-14

Vehicle Emission Test Site: Valpo - Station #5

BA

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cals	BAR-AD Cals	4WD Dyno Cals
1-13-14 CAM OK	1-13-14 CAM OK	1-13-14 Dyno OK
2-10-14 CAM OK	2-10-14 CAM OK	2-3-14 Dyno OK
3-10-14 CAM OK	3-10-14 CAM OK	3-10-14 Dyno OK

Lane: #2

CVS Cals	BAR-AD Cals	2WD Dyno Cals
1-13-14 CAM OK	1-13-14 CAM OK	1-9-14 Dyno OK
2-10-14 CAM OK	2-10-14 CAM OK	2-10-14 Dyno OK
3-10-14 CAM OK	3-10-14 CAM OK	3-5-14 Dyno OK

Lane: #3

DBD II "Only" lane

Lane: #

Calibration Records Audit (2nd Quarter, 2014)

Date: 7/24/14

Vehicle Emission Test Site: Valparaiso, Station #5

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed -- result

Date calibration performed -- result

Lane: #1

OKS Cals.	BAR 90 Cals.	4WD Dyno Cals.
4-7-14 CAM OK	4-7-14 CAM OK	4-7-14 Chad OK
5-6-14 CAM OK	5-6-14 CAM OK	5-5-14 Chad OK
6-9-14 CAM OK	6-9-14 CAM OK	6-2-14 Chad OK

Lane: #2

CIS Cals.	BAR 90 Cals.	2WD Dyno Cals.
4-7-14 CAM OK	4-7-14 CAM OK	*4-2-14 Chad OK
5-6-14 CAM OK	5-6-14 CAM OK	**5-8-14 Chad OK
6-9-14 CAM OK	6-9-14 CAM OK	***6-11-14 Chad OK

Lane: #3

PRD II Only lane

Lane: #

* Repaired motor brushes.

** Repaired restraint regulator + center plate.

*** Tightened all restraint guide bolts.

Calibration Records Audit (3rd Quarter, 2014)

Date: 9-25-14

Vehicle Emission Test Site: Valparaiso, Station #5

DAN

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Calc.	BAR-90 Calc.	4WD Dyno Calc.
7-14-14 OK CAM	7-14-14 OK CAM	7-7-14 Chad OK
8-11-14 OK CAM	8-11-14 OK CAM	8-4-14 Chad OK
9-15-14 OK CAM	9-15-14 OK CAM	9-3-14 Chad OK

Lane: #2

CVS Calc.	BAR-90 Calc.	2WD Dyno Calc.
7-14-14 CAM OK	7-14-14 CAM OK	7-9-14 Chad OK
8-11-14 CAM OK	8-11-14 CAM OK	8-1-14 Chad OK
9-11-14 CAM OK	9-11-14 CAM OK	9-3-14 Chad OK

Lane: #3

OBD II only lane

Lane: #

Calibration Records Audit (~~4th~~ Quarter, 20 14)

Date: 1/23/15

Vehicle Emission Test Site: Valparaiso, Station #5

PAN

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: # 1

<u>CVS Cals</u>	<u>BAR-90 Cals</u>	<u>4WD Dyno Cals</u>
10-27-14 CAM OK	10-27-14 CAM OK	10-20-14 Chad OK
11-10-14 CAM OK	11-10-14 CAM OK	11-3-14 Chad OK
12-8-14 CAM OK	12-8-14 CAM OK	12-1-14 Chad OK

Lane: # 2

<u>CVS Cals</u>	<u>BAR-90 Cals</u>	<u>2WD Dyno Cals</u>
10-16-14 CAM OK	10-16-14 CAM OK	10-14-14 Chad OK
11-10-14 CAM OK	11-10-14 CAM OK	11-7-14 Chad OK
12-8-14 CAM OK	12-8-14 CAM OK	12-3-14 Chad OK

Lane: # 3

OBD II only lane

Lane: #

#1	Annual SAD-CEV Cal	10-27-14 CAM OK
#2	Annual SAD-CEV Cal	10-16-14 CAM OK

Calibration Records Audit (1st Quarter, 2014)

Date: 6-6-14

Vehicle Emission Test Site: Gary, Site #8

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

<u>OKS Cals.</u>	<u>BAR-90 Cals.</u>	<u>4WD Dyno Cals.</u>
<u>1-13-14 JLC OK</u>	<u>1-13-14 JLC OK</u>	<u>1-27-14 Chad OK</u>
<u>2-3-14 JLC OK</u>	<u>2-3-14 JLC OK</u>	<u>2-17-14 Chad OK</u>
<u>3-31-14 JLC OK</u>	<u>3-31-14 JLC OK</u>	<u>3-24-14 Chad OK</u>

Lane: #2

<u>OKS Cals.</u>	<u>BAR-90 Cals.</u>	<u>2WD Dyno Cals.</u>
<u>1-13-14 JLC OK</u>	<u>1-13-14 JLC OK</u>	<u>1-29-14 Chad OK</u>
<u>2-23-14 JLC OK</u>	<u>2-23-14 JLC OK</u>	<u>2-21-14 Chad OK</u>
<u>3-31-14 JLC OK</u>	<u>3-31-14 JLC OK</u>	<u>3-12-14 Chad OK</u>

Lane: #3

<u>OKS Cals.</u>	<u>BAR-90 Cals.</u>	<u>2WD Dyno Cals.</u>
<u>1-13-14 JLC OK</u>	<u>1-13-14 JLC OK</u>	<u>1-29-14 Chad OK</u>
<u>2-23-14 JLC OK</u>	<u>2-23-14 JLC OK</u>	<u>2-14-14 Chad OK</u>
<u>3-31-14 JLC OK</u>	<u>3-31-14 JLC OK</u>	<u>3-12-14 Chad OK</u>

Lane: #

Calibration Records Audit (2nd Quarter, 2014)

Date: 7/25/14

Vehicle Emission Test Site: Gary, Station #B

FAH

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.		BAR90 Cals.		4WD Dyno Cals.	
4-23-14	JL OK	4-23-14	JL OK	4-23-14	Chad OK
5-19-14	JL OK	5-19-14	JL OK	5-19-14	Chad OK
6-16-14	JLC OK	6-16-14	JLC OK	6-23-14	Chad OK

Lane: #2

CVS Cals.		BAR90 Cals.		2WD Dyno Cals.	
4-24-14	JL OK	4-24-14	JL OK	4-16-14	Chad OK
5-19-14	JL OK	5-19-14	JL OK	5-23-14	Chad OK
6-16-14	JLC OK	6-16-14	JLC OK	6-26-14	Chad OK

Lane: #3

CVS Cals.		BAR90 Cals.		2WD Dyno Cals.	
4-24-14	JL OK	4-24-14	JL OK	4-16-14	Chad OK
5-19-14	JL OK	5-19-14	JL OK	5-23-14	Chad OK
6-16-14	JLC OK	6-16-14	JLC OK	6-27-14	Chad OK

Lane: #

Calibration Records Audit (3rd Quarter, 2014)

Date: 9/26/14

Vehicle Emission Test Site: Gary, Station #8

PAK

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cals	BAR-90 Cals	4WD Dyno Cals
7-7-14 JKC OK	7-7-14 JKC OK	7-28-14 Chad OK
8-18-14 JKC OK	8-21-14 JKC OK	8-11-14 Chad OK
9-8-14 JKC OK	9-8-14 JKC OK	9-22-14 Chad OK

Lane: #2

CVS Cals	BAR-90 Cals	2WD Dyno Cals
7-7-14 JKC OK	7-7-14 JKC OK	7-16-14 Chad OK
8-20-14 JKC OK	8-20-14 JKC OK	8-27-14 Chad OK
9-8-14 JKC OK	9-8-14 JKC OK	9-18-14 Chad OK

Lane: #3

CVS Cals	BAR-90 Cals	2WD Dyno Cals
7-7-14 JKC OK	7-7-14 JKC OK	7-16-14 Chad OK
8-20-14 JKC OK	8-20-14 JKC OK	8-27-14 Chad OK
9-8-14 JKC OK	9-8-14 JKC OK	9-19-14 Chad OK

Lane: #

#1 Annual	GAD-CEV Cals	9-8-14	JKC	OK
#2 Annual	GAD-CEV Cals	9-3-14	JKC	OK
#3 Annual	GAD-CEV Cals	9-3-14	JKC	OK

Calibration Records Audit (4th Quarter, 2014)

Date: 1-22-15

Vehicle Emission Test Site: Gary, Station #8

PAL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals	BAR 90 Cals	4WD Dyno Cals
10-27-14 JKL OK	10-27-14 JKL OK	10-27-14 Chad OK
11-3-14 JC OK	11-3-14 JC OK	11-17-14 Chad OK
12-22-14 JC OK	12-22-14 JC OK	12-15-14 Chad OK

Lane: #2

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-27-14 JKL OK	10-27-14 JKL OK	10-15-14 Chad OK
11-3-14 JC OK	11-3-14 JC OK	11-21-14 Chad OK
12-22-14 JC OK	12-22-14 JC OK	12-5-14 Chad OK

Lane: #3

CVS Cals	BAR 90 Cals	2WD Dyno Cals
10-27-14 JKL OK	10-27-14 JKL OK	10-15-14 Chad OK
11-3-14 JC OK	11-3-14 JC OK	11-20-14 Chad OK
12-22-14 JC OK	12-22-14 JC OK	12-5-14 Chad OK

Lane: #

Calibration Records Audit (1st Quarter, 2014)

Date: 3-28-14

Vehicle Emission Test Site: Portage - Station #4

YAL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cal.	BAR-90 Cal.	4WD Dyno Cal.
1-27-14 CAM OK	1-27-14 CAM OK	1-24-14 Chasol OK
2-17-14 CAM OK	2-17-14 CAM OK	2-10-14 Chasol OK
3-24-14 CAM OK	3-24-14 CAM OK	3-17-14 Chasol OK

Lane: #2

CVS Cal.	BAR-90 Cal.	2WD Dyno Cal.
1-27-14 CAM OK	1-27-14 CAM OK	1-22-14 Chasol OK
2-17-14 CAM OK	2-17-14 CAM OK	2-13-14 Chasol OK
3-24-14 CAM OK	3-24-14 CAM OK	3-6-14 Chasol OK

Lane: #3

PBD II only

Lane: #

Calibration Records Audit (2nd Quarter, 2014)

Date: 7/24/14

Vehicle Emission Test Site: Portage, Station #9

FAX

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR 90 Cals.	4WD Dyno Cals.
4-21-14 CAM OK	4-21-14 CAM OK	*4-14-14 Chad OK
5-5-14 CAM OK	5-5-14 CAM OK	5-12-14 Chad OK
6-23-14 CAM OK	6-23-14 CAM OK	**6-9-14 Chad OK

Lane: #2

CVS Cals.	BAR 90 Cals.	2WD Dyno Cals.
4-21-14 CAM OK	4-24-14 CAM OK	4-3-14 Chad OK
5-5-14 CAM OK	5-5-14 CAM OK	***5-21-14 Chad OK
6-23-14 CAM OK	6-23-14 CAM OK	6-18-14 Chad OK

Lane: #3

DBD II Only

Lane: #

* Replaced rear motor belt and idler pulley that was bad.
** Installed new belt in motor plate.
*** Repaired motor linkages

Calibration Records Audit (3rd Quarter, 2014)

Date: 9-25-14

Vehicle Emission Test Site: Portage, Station #9

PAT

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cals	BAR-AD Cals	4WD Dyno Cals
7-21-14 CAM OK	7-21-14 CAM OK	7-14-14 Chad OK
8-4-14 CAM OK	8-4-14 CAM OK	8-11-14 Chad OK
9-15-14 CAM OK	9-15-14 CAM OK	9-15-14 Chad OK

Lane: #2

CVS Cals	BAR-AD Cals	2WD Dyno Cals
7-21-14 CAM OK	7-21-14 CAM OK	7-9-14 Chad OK
8-4-14 CAM OK	8-4-14 CAM OK	8-7-14 Chad OK
9-18-14 CAM OK	9-15-14 CAM OK	9-11-14 Chad OK

Lane: #3

RED II Only lane

Lane: #

Calibration Records Audit (4th Quarter, 2014)

Date: 1-23-15

Vehicle Emission Test Site: Portage, Station #9

AL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed - result

Date calibration performed - result

Lane: #1

CVS Cal	BARAD Cal	4WD Dyno Cal
10-6-14 CAM OK	10-6-14 CAM OK	10-30-14 Chad OK
11-3-14 CAM OK	11-3-14 CAM OK	11-10-14 Chad OK
12-1-14 CAM OK	12-1-14 CAM OK	12-8-14 Chad OK

Lane: #2

CVS Cal	BARAD Cal	2WD Dyno Cal
10-6-14 CAM OK	10-6-14 CAM OK	10-15-14 Chad OK
11-3-14 CAM OK	11-3-14 CAM OK	11-13-14 Chad OK
12-1-14 CAM OK	12-1-14 CAM OK	12-5-14 Chad OK

Lane: #3

RED II only lane

Lane: #

#1	Annual SAD-CFY Cal	10-6-14 CAM OK
#2	Annual SAD-CFY Cal	10-6-14 CAM OK

Calibration Records Audit (1st Quarter, 2015)

Date: 4/9/15

Vehicle Emission Test Site: Hammond, Station #1

ROL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.

BAR-AD Cals.

4WD Dyno Cals.

1-26-15 JC OK

1-26-15 JC OK

1-26-15 Chad OK

2-16-15 JC OK

2-16-15 JC OK

2-23-15 Chad OK

3-2-15 JC OK

3-2-15 JC OK

3-16-15 Chad OK

Lane: #2

CVS Cals.

BAR-AD Cals.

2WD Dyno Cals.

1-26-15 JC OK

1-26-15 JC OK

1-28-15 Chad OK

2-27-15 JC OK

2-27-15 JC OK

2-25-15 Chad OK

3-23-15 JC OK

3-18-15 Chad OK

Lane: #3

CVS Cals.

BAR-AD Cals.

2WD Dyno Cals.

1-26-15 JC OK

1-26-15 JC OK

1-28-15 Chad OK

2-27-15 JC OK

2-25-15 Chad OK

3-23-15 JC OK

3-18-15 Chad OK

Lane: #

Calibration Records Audit (1st Quarter, 2015)

Date: 4-10-15

Vehicle Emission Test Site: Griffith, Station #2

PAL

Constant Volume Sampling System
(equipment checks and ten point calibrations)

Dynamometer Calibration

Date calibration performed – result

Date calibration performed – result

Lane: #1

CVS Cals.	BAR-40 Cals.	4WD Dyno Cals.
1-12-15 JC OK	1-12-15 JC OK	1-26-15 Chad OK
2-4-15 JC OK	2-27-15 JC OK	2-16-15 Chad OK
3-4-15 JC OK	3-9-15 JC OK	3-16-15 Chad OK

Lane: #2

CVS Cals.	BAR-40 Cals.	2WD Dyno Cals.
1-12-15 JC OK	1-12-15 JC OK	1-15-15 Chad OK
2-4-15 JC OK	2-27-15 JC OK	2-11-15 Chad OK
3-4-15 JC OK	3-9-15 JC OK	3-26-15 Chad OK

Lane: #3

"OBDII only" lane

Lane: #4

CVS Cals.	BAR-40 Cals.	2WD Dyno Cals.
1-12-15 JC OK	1-12-15 JC OK	1-15-15 Chad OK
2-4-15 JC OK	2-27-15 JC OK	2-11-15 Chad OK
3-16-15 JC OK	3-9-15 JC OK	3-26-15 Chad OK

2014 Indiana response to:

40 CFR Part 51-Subpart S Inspection/Maintenance Program Requirements
51.366 – Data Analysis and Reporting Requirements

(c) Quality Control Report

- (3) The number and percentage of stations that have failed equipment audits:

None

- (4) Number and percentage of stations and lanes shut down as a result of equipment audits:

None

During the course of our calibration paperwork audits at the test sites we have found that if an analyzer or dynamometer has experienced some difficulty holding a calibration it is repaired or replaced.

On a daily basis, as soon as a problem manifests itself with a failed daily calibration or failed zero/span check the test equipment is locked out and the lane is automatically shut down. Inoperable equipment is repaired or replaced in a timely manner.